Greenhouse Gas Inventory Parameters

Economic Sectors	Source	Fuel Type	Gas	Units	Notes	Additional Notes
Electric power	Fossil Fuel Combustion	Coal	CO2	(MMTCO2e)	Carbon dioxide emitted from burning coal to create electric power.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Petroleum	CO2	(MMTCO2e)	Carbon dioxide emitted from burning petroleum to create electric power.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Natural Gas	CO2	(MMTCO2e)	Carbon dioxide emitted from burning natural gas to create electric power.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Coal	N2O	(MMTCO2e)	Nitrous oxide emitted from burning coal to create electric power.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Petroleum	N2O	(MMTCO2e)	Nitrous oxide emitted from burning petroleum to create electric power.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
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Electric power	Fossil Fuel Combustion	Coal	CH4	(MMTCO2e)	Methane emitted from burning coal to create electric power.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming

						Potential of 25 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Petroleum	CH4	(MMTCO2e)	Methane emitted from burning petroleum to create electric power.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Electric power	Fossil Fuel Combustion	Natural Gas	CH4	(MMTCO2e)	Methane emitted from burning natural gas to create electric power.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Electric power	Transmission and Distribution	N/A	SF6	(MMTCO2e)	Sulfur Hexafluoride emitted from electric power transmission and distribution.	SF6 emissions in MMTCO2e were calculated by multiplying the actual SF6 emissions by its Global Warming Potential of 22,800 (IPCC AR4).
Transportation	Fossil Fuel Combustion	Petroleum	CO2	(MMTCO2e)	Carbon dioxide emitted from burning petroleum in the transportation sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Transportation	Fossil Fuel Combustion	Natural Gas	CO2	(MMTCO2e)	Carbon dioxide emitted from burning natural gas in the transportation sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Transportation	Fossil Fuel Combustion	Petroleum	N2O	(MMTCO2e)	Nitrous oxide emitted from burning petroleum in the transportation sector.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Transportation	Fossil Fuel Combustion	Petroleum	CH4	(MMTCO2e)	Nitrous oxide emitted from burning natural gas in the transportation sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Industrial	Fossil Fuel Combustion	Coal	CO2	(MMTCO2e)	Carbon dioxide emitted from burning coal in the industrial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).

Industrial	Fossil Fuel Combustion	Petroleum	CO2	(MMTCO2e)	Carbon dioxide emitted from burning petroleum in the industrial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Industrial	Fossil Fuel Combustion	Natural Gas	CO2	(MMTCO2e)	Carbon dioxide emitted from burning natural gas in the industrial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
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Industrial	Fossil Fuel Combustion	Wood	N2O	(MMTCO2e)	Nitrous oxide emitted from burning wood in the industrial sector.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Industrial	Fossil Fuel Combustion	Coal	CH4	(MMTCO2e)	Methane emitted from burning coal in the industrial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
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Industrial	Fossil Fuel Combustion	Natural Gas	CH4	(MMTCO2e)	Methane emitted from burning natural gas in the industrial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual

						CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Industrial	Fossil Fuel Combustion	Wood	CH4	(MMTCO2e)	Methane emitted from burning wood in the industrial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Industrial	Industrial Processes	N/A	CO2	(MMTCO2e)	Carbon dioxide emitted from general industrial processes.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Industrial	Natural Gas and Oil Systems	N/A	CH4	(MMTCO2e)	Methane emitted from natural gas and oild systems in the industrial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Industrial	ODS Substitutes	N/A	HFCs and PFCs	(MMTCO2e)	Hydrofluorocarbons and Perfluorocarbons emitted from the use of substitutes for other ozone-depleting substances.	HFC and PFC were provided from the EPA model in MMTCO2e and represent a collection of various HFC and PFC compounds; global warming potentials for these compounds range from 124 to 14,800 (IPCC AR4)
Residential	Fossil Fuel Combustion	Coal	CO2	(MMTCO2e)	Carbon dioxide emitted from burning coal in the residential sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Residential	Fossil Fuel Combustion	Petroleum	CO2	(MMTCO2e)	Carbon dioxide emitted from burning petroleum in the residential sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Residential	Fossil Fuel Combustion	Natural Gas	CO2	(MMTCO2e)	Carbon dioxide emitted from burning natural gas in the residential sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
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Residential	Fossil Fuel Combustion	Wood	N2O	(MMTCO2e)	Nitrous oxide emitted from burning wood in the residential sector.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
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Residential	Fossil Fuel Combustion	Wood	CH4	(MMTCO2e)	Methane emitted from burning wood in the residential sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Coal	CO2	(MMTCO2e)	Carbon dioxide emitted from burning coal in the commercial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).

Commercial	Fossil Fuel Combustion	Petroleum	CO2	(MMTCO2e)	Carbon dioxide emitted from burning petroleum in the commercial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Natural Gas	CO2	(MMTCO2e)	Carbon dioxide emitted from burning natural gas in the commercial sector.	CO2 emissions in MMTCO2e were calculated by multiplying the actual CO2 emissions by its Global Warming Potential of 1 (IPCC AR4).
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Commercial	Fossil Fuel Combustion	Wood	N2O	(MMTCO2e)	Nitrous oxide emitted from burning wood in the commercial sector.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Coal	CH4	(MMTCO2e)	Methane emitted from burning coal in the commercial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Petroleum	CH4	(MMTCO2e)	Methane emitted from burning petroleum in the commercial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Natural Gas	CH4	(MMTCO2e)	Methane emitted from burning natural gas in the commercial	CH4 emissions in MMTCO2e were calculated by multiplying the actual

					sector.	CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Commercial	Fossil Fuel Combustion	Wood	CH4	(MMTCO2e)	Methane emitted from burning wood in the commercial sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Agricultural	Enteric Fermentation	N/A	CH4	(MMTCO2e)	Methane emitted from enteric fermentation in the agricultural sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Agricultural	Manure Management	N/A	N2O	(MMTCO2e)	Nitrous oxide emitted from manure management in the agricultural sector.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Agricultural	Manure Management	N/A	CH4	(MMTCO2e)	Methane emitted from manure management in the agricultural sector.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Agricultural	Agricultural Soil Management	N/A	N2O	(MMTCO2e)	Nitrous oxide emitted from agricultural soil management practices.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Agricultural	Burning of Agricultural Crop Waste	N/A	N2O	(MMTCO2e)	Nitrous oxide emitted from the burning of agricultural crop waste.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).
Agricultural	Burning of Agricultural Crop Waste	N/A	CH4	(MMTCO2e)	Methane emitted from the burning of agricultural crop waste.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Wastewater Treatment	Municipal Wastewater	N/A	N2O	(MMTCO2e)	Nitrous oxide emitted by municipal wastewater treatement plants.	N2O emissions in MMTCO2e were calculated by multiplying the actual N2O emissions by its Global Warming Potential of 298 (IPCC AR4).

Wastewater Treatment	Municipal Wastewater	N/A	CH4	(MMTCO2e)	Methane emitted by municipal wastewater treatement plants.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Wastewater Treatment	Industrial Wastewater	N/A	CH4	(MMTCO2e)	Methane emitted by industrial wastewater treatement plants.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Municipal Solid Waste	Landfills	N/A	CH4	(MMTCO2e)	Methane emitted by municipal landfills. Methane recovered for energy use and/or flared is removed from the total.	CH4 emissions in MMTCO2e were calculated by multiplying the actual CH4 emissions by its Global Warming Potential of 25 (IPCC AR4).
Land-Use and Land-Use Change	Forestry	N/A	CO2	(MMTCO2e)	Carbon dioxide emitted from, or absorbed by, forest land cover.	Carbon emissions and/or sequestration in the land-use sector is calculated as the annual change in carbon storage among different carbon pools of Delaware's forest and croplands, as well as harvested wood products.
Indirect GHG Emissions	Electricity Consumption	N/A	CO2	(MMTCO2e)	Indirect GHG are emissions associated with consuming electricity that is produced in Delaware as well as imported.	This sector is not added when calculating total emissions to avoid double counting of emissions from DE generated electricty. The sector is used to identify how electricity demand in Delaware impacts GHG emissions.